FOH I/O

The following sections describe the FOH I/O section of Mix Rack, and how to use its connectors and ports for mix position audio.
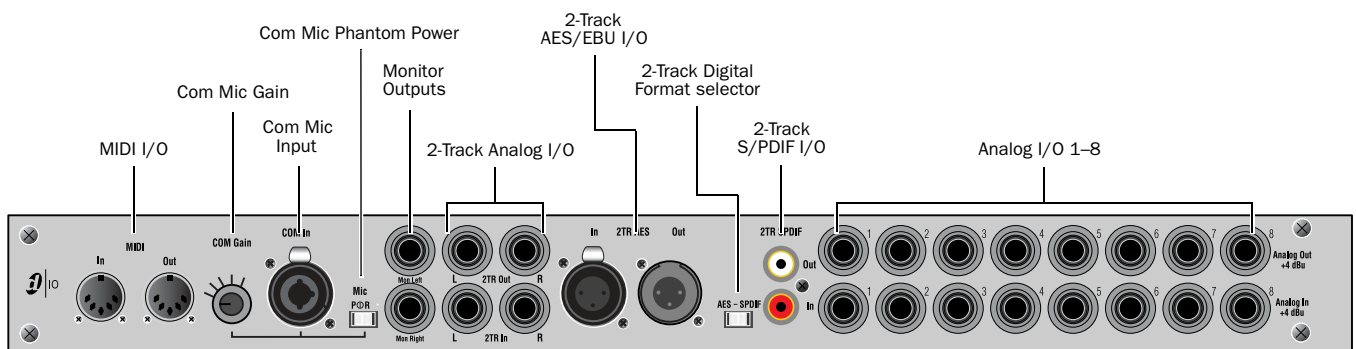

Figure 4. FOH I/O connectors on Mix Rack

MIDI I/O Ports

The MIDI In and Out Ports provide 16 channels of MIDI input and 16 channels of MIDI output to the system. The MIDI I/O ports are used in sending and receiving Snapshot MIDI messages, and in receiving MIDI Time Code from external devices.

Com Mic, Gain Control, and Phantom Power

The Com Mic connector and controls allow connection of a mic, or a line level source. The Com Mic input is a female XLR/TRS connector that accepts XLR or TRS jacks. The Gain control operates in steps of 3 dB. Phantom power may be applied to the Com mic with the Mic Power switch.

⚠ *Do not connect an intercom system directly to the Com input, as some intercom systems use a signalling voltage which can damage the FOH IO card.*

Monitor Outputs

The Monitor Outputs are used for output to a near-field monitors or a cue mix system (not included). These are 1/4-inch balanced TRS connectors.

2-Track Analog Inputs and Outputs

The 2-Track analog connections are used for input and output of analog audio material. These are balanced 1/4-inch TRS connectors.

2-Track Digital Inputs and Outputs

The 2-Track digital connections are used for input and output of digital audio material. Stereo AES/EBU or S/PDIF I/O connectors are selectable with the AES–SPDIF switch. These connectors support 24-bit, 48 kHz digital signals. Input signals with other sample rates are sample-rate converted to 48 kHz.

Analog I/O (1–8)

The 8 pairs of analog line inputs and outputs are used for hardware inserts, or for input and output of program material from the mix position. These are balanced, 1/4-inch TRS connectors.